

# *JPDO Overview & Status*



# A Call to Action

- National Civil Aviation Review Commission
- Aerospace Commission
- National Research Council
- Reauthorization Language
- Secretary Mineta's letter to the President of the United States

*Transforming the  
U.S. air  
transportation  
system to meet our  
civil aviation,  
national defense,  
and homeland  
security needs is a  
national priority.*



# **An Initiative to Create and Carry Out an**

## **“Integrated National Plan”**

...that sets goals and aligns missions across government to ensure that the United States stays at the forefront of aviation and meets the demand of the future.

**A Flight Plan to 2025 and Beyond!**



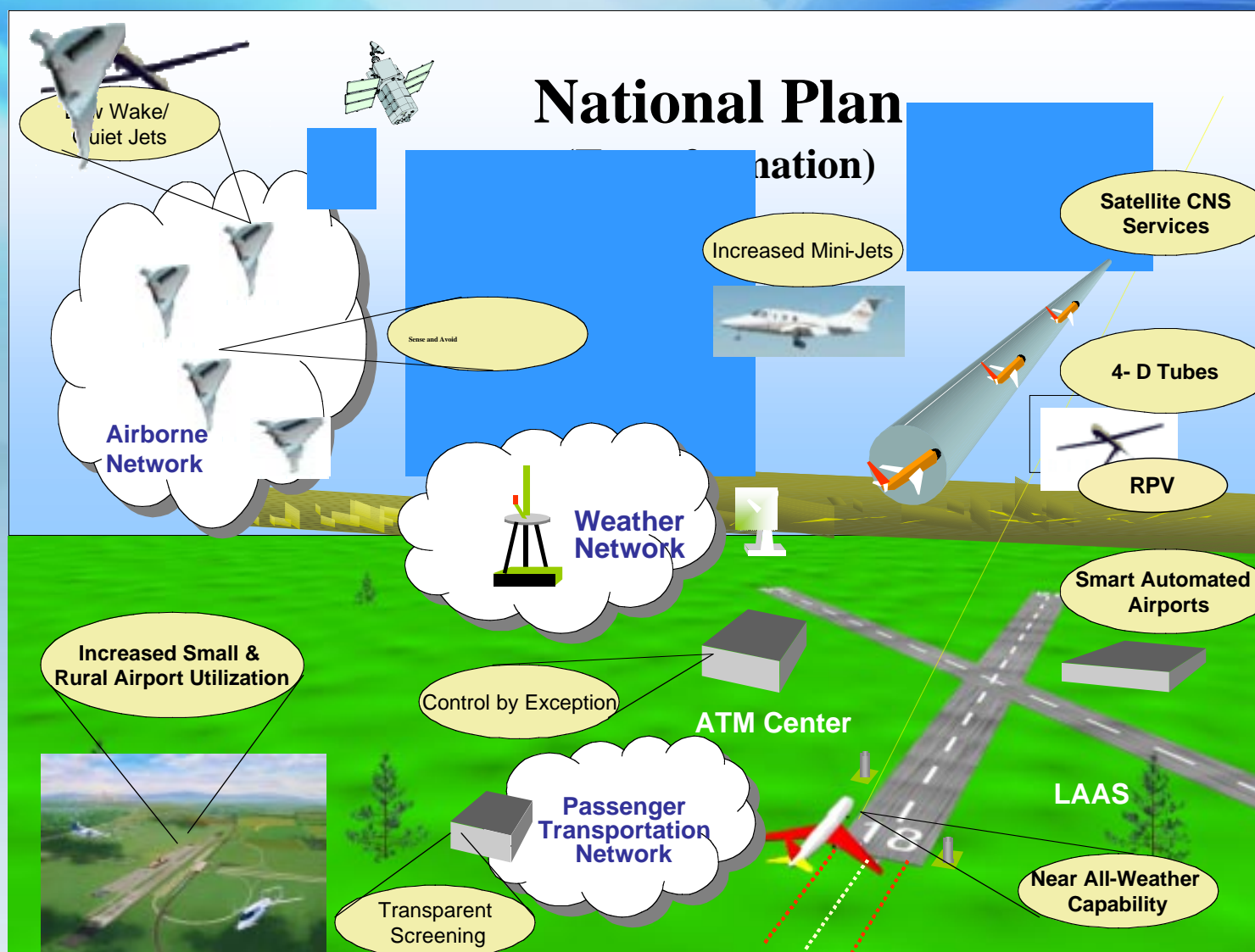
# Scope

- The Air Transportation System extends from airport curb to airport curb. The system allows vehicles, both manned and unmanned, to operate safely, securely, and efficiently for the full range of operators and includes airports, aircraft and the allocation of the national airspace.
- This system must:
  - be safe, secure, affordable and environmentally responsible
  - take advantage of existing & emerging technologies
  - support global interoperability
  - meet the needs for defense and homeland security
  - be scalable and adapt to the demands of the free market
  - fairly allocate scarce resources for a wide range of operations
- The JPO considers all aspects of air transportation as defined above, all government roles, and the partnerships among government and industry.





# The Stage is Set for Transformation





# JPO is in the Transformation Business

- When operations are too costly to continue or no longer socially acceptable, transformation must replace evolution as the way to move forward.
- Transformation is brought about by changes in policy, practices, roles of individuals, and application of technologies:
  - drive productivity and enhance economic growth
  - deliver capacity to accommodate future demand
  - expand flexibility while improving security
  - retain U.S. technological leadership
  - transforming the way Government interacts



# Imagine the Future

- Consumers will have more lower cost, choices for their travel and shipping needs
- Passengers moving through security without delay
- Low cost jets will make private ownership and on-demand service more feasible
- Aircraft will become so environmentally friendly that communities will vie for airports
- Travelers and shippers will take on-time performance for granted



# Implications for Policy

- Engineering the system to:
  - Increase airport capacity in all weather conditions
  - Strategically and tactically manage higher volumes and more complex traffic flows
- Incentivizing investment in equipage, infrastructure and training
- Understanding and resolving issues associated with alternative operational roles for pilots, controllers and others
- Regulatory action for new vehicles
- Changes in services effecting trust fund profile – e.g., more on-demand flights





# Initiative Objectives

- Transforming the Air Transportation System by
  - Developing a National Plan, including a transition roadmap and action plans
  - Developing and implement government – industry partnerships around specific plans and programs
  - Coordinating international harmonization of transformation plans and programs
  - Aligning policy and programs across agencies
  - Measuring and reporting on progress toward the National Plan



# Objectives for CY2004

- 1) Develop a National Plan to guide agency policy and investments to transform air transportation.
- 2) Build a framework for government – industry partnership to facilitate actualization.
- 3) Coordinate our activities with international aviation communities, and establish working relationships on shared transformation strategies.
- 4) Establish a repeatable and sustainable national planning and decision-making process, with a Senior Policy Committee that routinely reaches decisions.
- 5) Coordinate across government programs (schedule, roles, budgets) for air transportation transformation.
- 6) Identify and support “early victories” that would build the foundation for transformation.



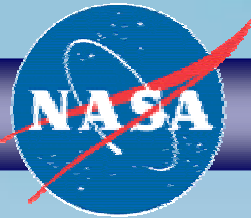
# JPO Structure



**Senior Interagency Policy Committee**



**Joint Planning Office**



**Strategic Plan  
& Perf. Goals**

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**Strategic Plan  
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**OEP**

**CIP**

**Research  
Program**

**Institutionalize within each agencies planning  
processes and programs**



# Engaging at Multiple Levels

- Senior Policy Committee
  - Advises DOT Secretary on national goals
  - Guides and approves the National Plan
  - Propose legislation & budget where required
- Joint Planning Office
  - With the Government & U.S. aviation community create an integrated plan, and with clear, stable, long-term goals, priorities and strategies
  - Structure joint action and aligned investments to achieve the transformation
  - Drive policy changes, decisions and commitments
- Agencies
  - Collaborate with the JPO and align their programs, budgets and policies to the National Plan





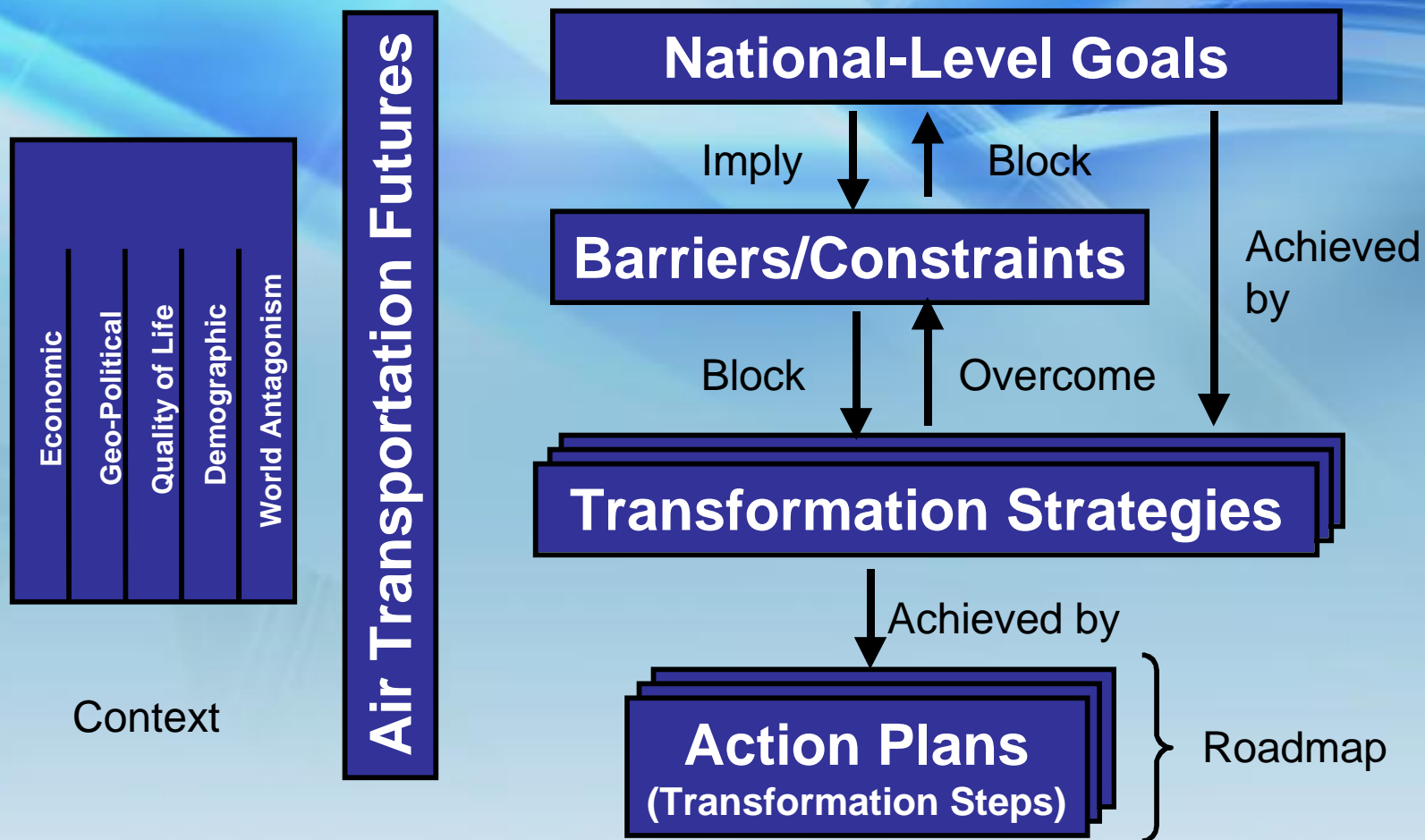
# National Plan Purpose

- Drive real transformation to achieve the National-level Goals.
  - Establish goals, priorities and clear, stable, long-term National strategies upon which to guide decisions within the Federal Government, the U.S. aviation industry, and internationally.
  - Structure joint action to achieve the transformation, including an evolving roadmap and well thought out action plans to achieve near-term benefits on the path to long-term transformation.
  - Identify required policy and regulatory changes.
  - Document government decisions and commitments.
- Facilitate coordination among government and the aviation community.
  - Implement a single, comprehensive planning process within the community, spanning technology, policy, regulations, and realization.
  - Ensure collaboration among all appropriate organizations to drive ownership and institutionalization within and between organizations.
- Ensure accountability of the JPO and its member Agencies
  - The plan will be updated to reflect progress, costs, benefits and changes based on what has been learned. This will ensure accountability to the White House, Congress, taxpayers, and system users (e.g., the traveling public)

***“A Government – Industry Business Plan for Air Transportation Transformation” – John Kern***



# Planning Model





# National Plan Outline

Volume 1

- 1) Vision
- 2) Need for Transformation
- 3) Air Transportation Goals
- 4) Transition Barriers
- 5) Transformation Strategies

Volume 2

- 6) Transformation Roadmap
- 7) Action Plans



# Numeric Goals

- A 25% Reduction in cost of transportation, creating hundreds of thousands of new jobs
- Accommodate up to 3 times present demand for whatever type of demand emerges
- Cut curb-to-curb travel time 30%: passengers can move through the airport in 30 minutes or less, with a 95% on time record
- Improving our national security, without compromising access to aviation
- Maintaining the record as the safest transportation, while becoming one of the quietest & cleanest modes of transportation





# Process for Developing the National Plan

Jan 04

Volume 1 of  
National Plan

Volume 2 of  
National Plan

Nov 04

## Futures WG

- Scenario Planning
- Establish broad range of plausible futures
- Ensure robustness of strategies over the long-run

## Integration WG

- Analysis and refinement of goals
- Analysis and development of strategies for achieving goals
- Development of heuristic models to ensure linkages between goals, barriers and strategies are understood
- Scope planning required to further develop the strategies and create near-term action and benefits

## Operations Analysis WG

- Establish baselines for goals
- Analyze and document trends
- Provide analytic support to the Futures and Integration WGs

*Strategic  
Planning*

## Investment WG

- Transformation investment model (valuing transformation actions)
- Analysis of timelines for major decisions

## Policy WG

- Analysis of major policy issues
- Support policy decision making for issues that are key basis for transformation

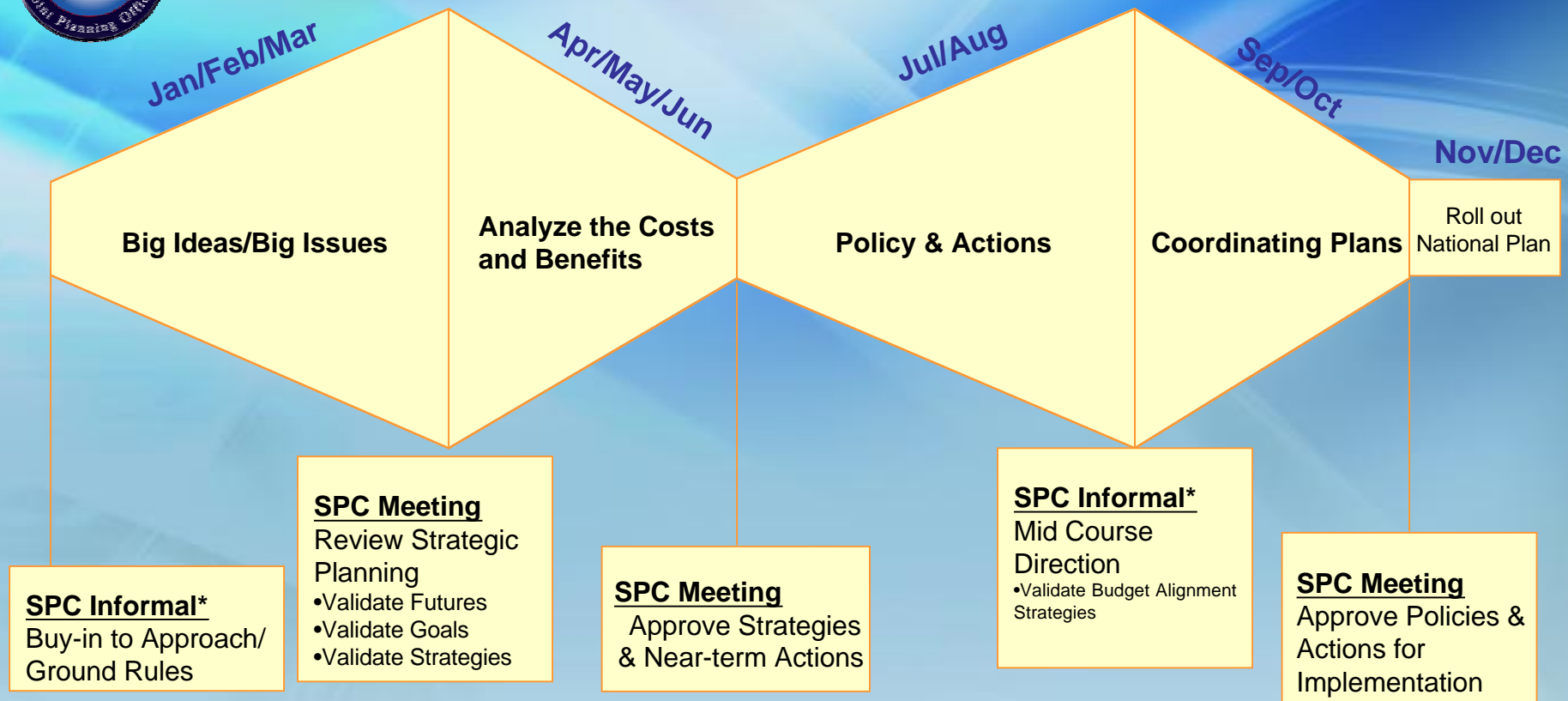
*Action  
Planning*

## Action Plan WGs

- Further analysis of each strategy as required
- Action planning for each strategy



# Senior Leadership Roles



## Making it Real

- Speeches
- Team building
- Engaging Industry Leaders

## Assessing Realities

- Political Pulse
- Industry Feedback
- Line up the right people

## Engaging Aviation Community

- Energizing Organizations
- Driving Budget Decisions

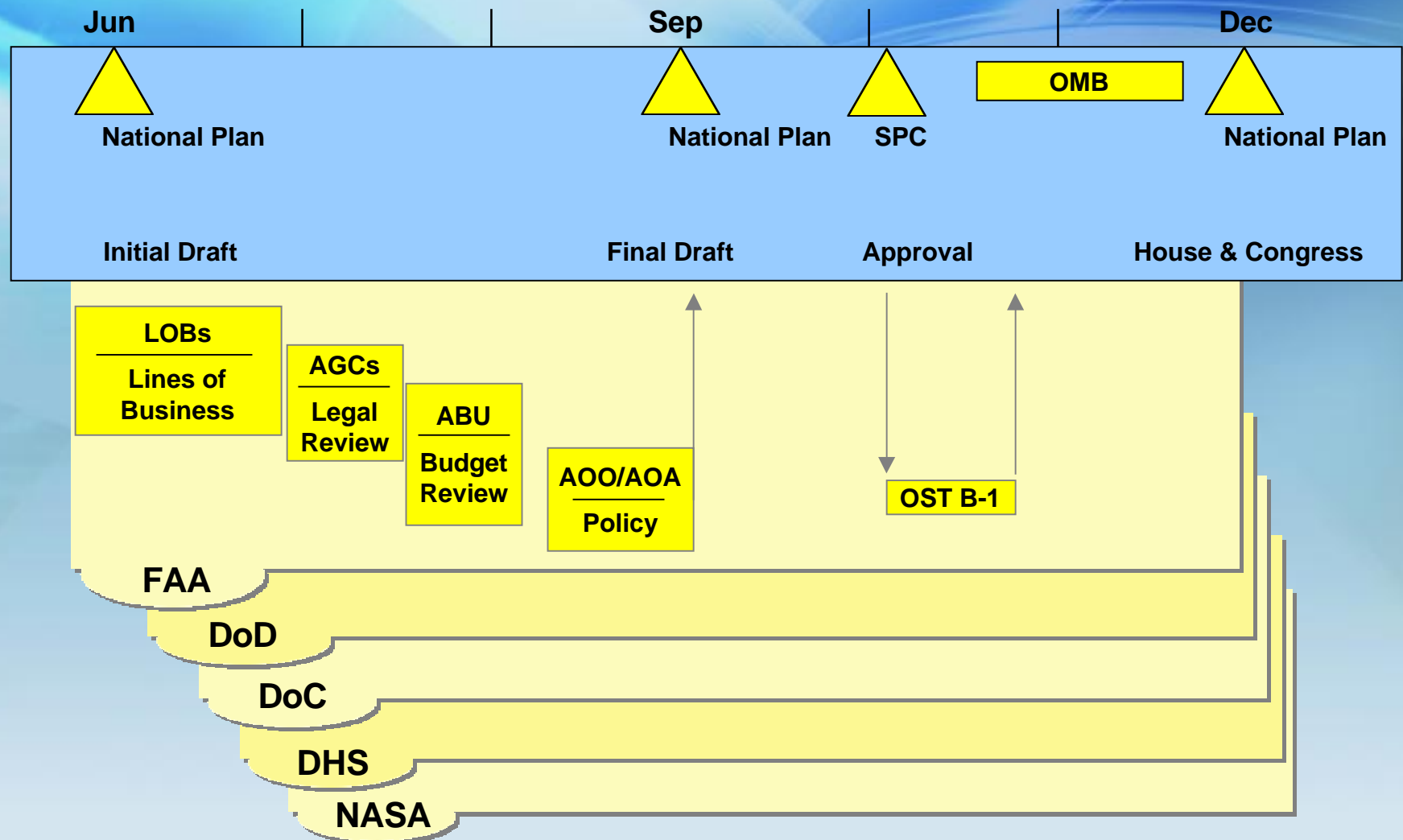
## Prepare for Roll out

- Work Industry and Hill on acceptance issues.
- Prepare internal agency leadership for impact of the plan.

\*SPC Informal - Meetings w/individual SPC members and/or individual/group meetings with their designees



# National Plan Review Process





# Community Interaction

- Coordinated JPO efforts across Government
  - House and Senate Science & Technology Committees
  - FAA, TSA, DoD, DOC, NASA and DOT & OSTP
  - Congressman Mica quotes the Framework as the “only passenger bill of rights I’m interested in is advocated by [FAA Administrator] Marion Blakey”
- Coordinated with Community
  - ATCA JPO workshop for industry the largest ever
  - Endorsement from the Joint REDAC & ATAC
  - Individual firms offer personnel
  - REDAC re-energized
  - Outreach gained Chamber of Commerce
  - Aerospace States Association to hold hearing in February





# Industry Feedback Thus Far

## • Advisory Committee

- Articulate the effect of inaction in terms of quality of life and the economy
- Flexibility is the primary goal: allow growth and new services with minimum constraints
- Provide clear problem statements and challenges to focus our strategy development

## • Public Workshop

- Economic health & competitiveness of the industry are at stake
- Change takes 20 years
  - Certified standards
  - Aircraft fleet life
  - Global harmonization
- Flexibility to future unknown demand
  - Inter-modal access
  - Security needs
  - Small airports role



# International Interest

- Trip in January to meet with Euro control and the European Union on a common understanding of transformation planning
- Air Services Australia offer to collaborate on the plan with Asia & the U.S.
- Euro control and International Air Transportation Association offered liaisons to coordinate development of the Plan



# Next Steps

## January - March

- Make it real
  - Secretary Mineta to speak at Aero Club in January
  - Aerospace States Association to hold informal hearing in February
  - Dr. Hamre to focus and chair a select, high-level subcommittee of the REDAC on the National Plan
- Senior Policy Committee
  - Agreement on key elements of the MOU (e.g., budget alignment)
  - Guidance on the national goals and strategies



# MOU Structures an ATS - JPD Initiative

- Goal
  - Transform the air transportation system to meet the long-term needs of the United States
- Objectives
  - Develop a National Plan, including a transition roadmap and action plans
  - Align policy, programs and other relevant investments across agencies
  - Document and monitor technology transfer plans
  - Coordinate international harmonization of transformation plans and programs
  - Develop and implement government-industry partnerships around transformation plans and programs
  - Measure and report on progress toward the National Plan





# MOU - Senior Policy Committee

- Chaired by Secretary of Transportation and composed of all relevant Departments and independent Agencies with major role in aviation
- Responsibilities
  - Develop the National goals for transformation
  - Oversee development of the National plan
  - Develop policy to support the transformation
  - Provide ongoing review
  - Identify and align resources
  - Make legislative recommendations



# MOU - JPDO

- Small office that focuses on day to day management of the initiative
- FAA Director, NASA Deputy Director
- JPD Leadership Team composed of one or more Principals from each agency
  - Represent the agency to the JPDO and the JPDO to the agency
- All signatories provide at least on full time staff member
- JPDO responsibilities
  - Develop and maintain a National plan
  - Analyze and communicate benefits of transformation
  - Support SPC policy / decision making
  - Facilitate collaboration
  - Oversee relevant programs
  - Measure and report on progress



# MOU - Agencies

- Responsibilities of the agencies
  - Provide technical support to the JPDO
  - Implement the National Plan
  - Lead interagency and government-industry actions



**Thank you!**